# PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant' H0004201	's or agent's file reference	FOR FURTHER ACTION	Report (Fo					
Internation PCT/US0	nal application No. 3/25461	International filing date (day/monal 14 August 2003 (14.08.2003)	th/year)	(Earliest) Priority Date (day/month/year) 14 August 2002 (14.08.2002)				
Applicant HONEYW	Applicant HONEYWELL INTERNATIONAL, INC.							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.								
This international search report consists of a total of 2 sheets.								
It is also accompanied by a copy of each prior art document cited in this report.								
Basis of the Report     a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.								
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).  b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:								
		al application in written form.						
		filed together with the international application in computer readable form.						
	furnished subsequently to the	furnished subsequently to this Authority in written form.						
	furnished subsequently to the	his Authority in computer readable for	orm.					
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
	the statement that the information been furnished.	nation recorded in computer readabl	e form is id	dentical to the written sequence listing has				
2.	Certain claims were found	l unsearchable (See Box I).						
3. U	Unity of invention is lacking regard to the title,	ng (See Box II).						
4. With	the text is approved as subn	nitted by the applicant.						
		d by this Authority to read as follows	s:					
5. With	regard to the abstract,		•	•				
	the text is approved as subm	nitted by the applicant.						
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The application within one month from the date of mailing of this international search report, submit comments to this Authority							
6. The	figure of the drawings to be pul	blished with the abstract is Figure N	o. <u>3</u>					
$\boxtimes$	as suggested by the applican		•	None of the figures				
	because the applicant failed	to suggest a figure.						
	because this figure better ch	paracterizes the invention.		•				

Form PCT/ISA/210 (first sheet) (July 1998)

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25461

A. CLASSIFICATION OF SUBJECT MATTER							
IPC(7) : H05K 9/00; H05K 7/20, 9/00; H05K 1/00 US CL : 361/816, 818, 800; 257/655, 660; 174/35R, 35MS, 260							
US CL : 361/816, 818, 800; 257/655, 660; 174/35R, 35MS, 260  According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols)							
U.S.: 361/816, 818, 800; 257/655, 660; 174/35R, 35MS, 260							
the state of the s							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
none							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) none							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where a	Relevant to claim No.					
Ý	US 5,166,864 A (CHITWOOD et al.) 24 November	1-11					
Y	document. US 5,557,064 A (ISERN-FLECHA et al.) 17 Septer	1-11					
. Y	document. US 5,639,989 A (HIGGINS, III) 17 June 1997 (17.0)	06.1997), see entire document.	1-11				
	(1200100)		. •				
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		See Jacob Comillo como					
	documents are listed in the continuation of Box C.	See patent family annex.	i - I Clina data an aniogitu				
* Sr	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic	ation but cited to understand the				
"A" document defining the general state of the art which is not considered to be principle or theory underlying the invention							
-	document of particular relevance; the claimed invention cannot be rapplication or patent published on or after the international filing date considered novel or cannot be considered to involve an inventive siep when the document is taken alone						
establish t	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step					
specified) "O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the	documents, such combination				
		"&" document member of the same patent i					
priority da	priority date claimed						
Date of the actual completion of the international search  21 January 2004 (21.01.2004)  Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Complete of mailing of the international search report  Authorized officer  David S Martin  David S Martin							
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Maii Com	1 Stop PCT, Attn: ISA/US missioner for Patents	David S Martin	gur .				
P.O.	. Box 1450 candria, Virginia 22313-1450	Telephone No. (703) 308-3121					
Facsimile No. (703) 305-3230							

Form PCT/ISA/210 (second sheet) (July 1998)

#### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
  "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
   "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

### "Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

### It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.